# Special Issue

# Advances of Perovskite Solar Cells—2nd Edition

### Message from the Guest Editor

For perovskite solar cells (PSCs) to become a cost-effective photovoltaic technology, their efficiency, stability, and industrialization are the basic merits to consider. Among these aspects, working stability can become a large obstacle for the development of PSCs, which is mainly due to the light sensitivity of the device. In the past few years, there have been significant advances in studies on the crystal growth process, photo/moisture/oxygen/heat-induced degradation, performance optimization, and the device structure design of perovskite solar cells in terms of both mechanisms and solutions. However, how do environmental factors affect the formation/degradation of the perovskite lattice? Which is more suitable for commercial development: component engineering or pure-phase perovskite? How can perovskite devices achieve long-term development in the silicon market? These are currently open questions, as well as hot and timely topics. The present Special Issue on perovskite solar cells may become a status report summarizing the progress achieved in the last five years.

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### Deadline for manuscript submissions

closed (30 September 2024)

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Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

## Editor-in-Chief

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